Wintal®

USER MANUAL

DIGITAL TERRESTRIAL RECEIVER

Wintal® ① **DVB⊤** TERRESTRIAL ○ ◯ ▣ **STB10SD**

STB10SD

Please read and keep these instructions

Important safety instructions to be kept with the product
Please read attentively

⚡	To prevent fire and electric shock, do not expose this receiver to rain or moisture. In order to avoid any possible risk of electric shock, never attempt to open the unit. In case of breakdown, reparation should be made by qualified technicians. No part of this unit should be repaired by users.

WARNING!
Presence of dangerous tension inside apparatus! Do not open. Risk of electric shock!No part should be repaired by users. The maintenance of the receiver should be carried out exclusively by qualified persons.

If the power cord is damaged, it must be replaced or repaired by the manufacturer, its after-sales service, qualified electrician or persons of similar qualification in order to avoid possible danger.

The product must be installed in accordance with national regulations.

The used batteries must be disposed of safely. Throw them in collection bins provided (inquire after your retailer for more details) in order to protect the environment.

Proper Installation
- Place the receiver on a flat, firm and stable surface. Do not put it on a carpet or rug.
- Do not place the receiver on top of another device, such as an amplifier. This may lead to overheating.
- Do not put anything above the unit (for example, CDs or magazines).

Sufficient Ventilation
- Place the receiver in a well-ventilated location to prevent accumulation of internal heat. Allow a gap of at least 10cm to the rear and the top of the unit, as well as a space of 5cm to both sides to avoid overheating.
- Do not obstruct any ventilation openings with items such as newspapers, tablecloths, curtains, etc.

Protecting the Receiver from High Temperatures, Humidity, Water and Dust
- The receiver should not be exposed to dripping water or splashing.
- No objects filled with liquids, such as vases, shall be placed on the unit.
- Do not place any objects that might damage your unit near it (e.g. liquid filled objects or candles).
- Do not place any source of flames such as lit candles on the receiver.
- This receiver is to be used in a temperate climate and should not be used in a tropical climate.

Electricity Supply
- Please unplug the receiver in case of prolonged non-use.
- If the power cord is damaged, it must be replaced or repaired by the manufacturer, its after-sales service, qualified electrician or similar qualifications to those to avoid possible danger.
- This device must be connected to a 230V ~ 50Hz electrical network.
- The plug must remain readily accessible after the installation of the product.

CE	This product complies with the requirements imposed by the 2006/95/EC (repealing the 73/23/EEC Directive, amended by the 93/68/EEC Directive) and 2004/108/EC (repealing 89/336/EEC Directive) Directives.

🗑	This logo affixed to the receiver means that it is a device of which the waste processing falls within the framework of the 2002/96/EC directive of 27 January 2003, on Waste Electrical and Electronic Equipment (WEEE).

The presence of hazardous substances in electrical and electronic equipment may have potential effects on the environment and human health in the reprocessing cycle of the product.

Thus, at the end of the life of this device, it should not be discarded with unclassified household waste.

As a consumer, your role is crucial in the cycle of reuse, recycling and other forms of recovery of this electrical and electronic equipment. Waste reception center and collection facilities are implemented at your disposal by local communities by local communities (reception facilities) and distributors.
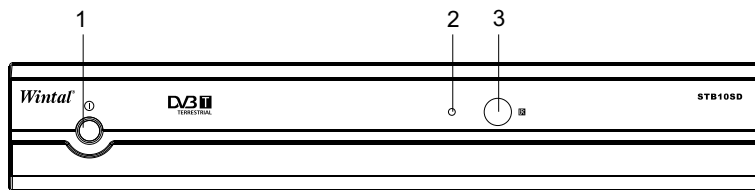
You have the responsibility to use the selective waste collection systems at your disposal.
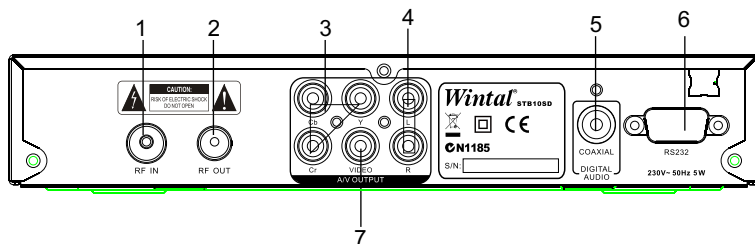
Table of Contents
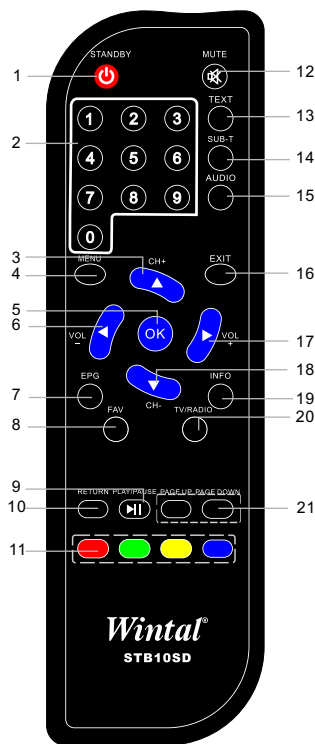
1. Product description and Connections

1. POWER SWITCH
2. STANDBY INDICATOR
3. REMOTE CONTROL SENSOR

Rear panel

1. RF IN : This socket connects to your external aerial.
2. RF LOOP THROUGH: This socket will bypass the RF signal to either your TV or another video system.
3.COMPONENT OUTPUTS : Connect these outputs to your TV in order to get the best picture quality.
4.AUDIO OUTPUTS : Left/Right
5. COAXIAL: This socket connects to a coaxial socket on your home theater.
6. RS232: This socket is only used for software upgrade.
7.COMPOSITE VIDEO OUTPUT : Connect this to your TV

2. Remote Controller

1.STANDBY: Switch the receiver in and out of standby mode.

2.<0>-<9>: Numeric keys.

3/18.CH+/CH-: Program changing keys. Move cursor up or down in menu item.

4.MENU: Display main menu on TV screen, and press again to disappear menu.

5.OK: To confirm current setting, or display all programs in no-menu mode.

6/17.VOL-/ VOL+: To increase / decrease volume. Move cursor left or right in menu item. Change date of EPG.

7.EPG: Shows the Electronic Program Guide.

8.FAV: Displays your favorite channels list. Press FAV again to access to the other favorite lists.

9.PLAY/PAUSE: Play or Pause current program.

10.RETURN : Go back to the previous viewed channel.

11.RED/BLUE/GREEN /YELLOW: Use to navigate between pages in teletext mode.

12.MUTE: To navigate inside the menus.

13.TEXT: Switch on Teletext, if current channel has this option, and use EXIT key to quit Teletext.

14.SUB-T: Display subtitle options (availability depends on the channel).

15.AUDIO: Change the Audio language or switch to AC3 mode (availability depends on the channel).

16.EXIT: Use this key to quit current menu.

19.INFO: Display information about the current channel.

20.TV/RADIO: Switch between Digital Radio and DVB-T modes (Radio is not available in countries such as France).

21.**PAGE UP/PAGE DOWN:**To navigate inside the menus.

3.First time installation

When all the connections on the receiver are ready (section 2) and the main lead is plugged in, the receiver will start up automatically. If this does not happen,press the ON button on the front panel of the receiver or on the remote control .A easy installation menu will be displayed where you can set different parameters and then run the channel scan:

1. **OSD Language:** Use the arrow◄/► buttons to select a language for the on screen display menu (OSD). Press▼ to go to the next parameter.
2. **Region:** Use the arrow ◄/► buttons to select your country.press ▼ to proceed.

CAUTION
If the wrong country is selected the channel scan may not detect all the channels available.

3. **LCN Mode:** When the logical channel numbering options is action,the channel will be position in the list with the broadband order automatically after the scanning .Press ▼ to go forward.

NOTA
If the LCN mode is turn on,we suggest to not change the channel position in the TV/Radio channel list menu.

4. **Auto Scan :** Press ok to start the automatic channel scan.when the scan is completed,the receiver will enter the Viewing mode.

4. Receiver Settings

The first time installation procedure (chapter 3) will allow the receiver to be used with its basic functions however the receiver offers many more advanced features and options that are illustrated in the following sections.

4.1 Password

To modify some setting and view certain channel locked by the end-user in the **Channel** menu ,a password has to be entered .the factory set password is"**0000**"(four zeros)but it can be changer by pressing MENU and selecting the setup menu and then **Parental Lock**.

CAUTION
Take note and keep the new password in a safe place,if you forget your personal,use the universal code "**0786**"to access the parental lock menu and set a new password.

4.2 Channel Scan

The first time guided installation procedure runs a channel scan and saves any channels available at that time,however later scans may become necessary if, for instance,a new channel becomes available or when an existing channel changes frequency.To access the channel scan function form the viewing mode,press MENU on the remote control to open the main menu,select **Installation** and then one of the following options：
1. **Auto Scan:**An automatic scan of all digital terrestrial channels received in the area by your antenna press OK on **Search** to state the scan.

CAUTION
When a new automatic scan is run,the existing channel list will be lost.

2. **Channel Scan (For Expert Users):**Set all the parameters displayed on video related to the Interested channel,then select **Search** and press OK.

4.3 Time setting

In the viewing mode usage , press MENU on the remote control to open the main menu. Select **Setup** and then **Region and Time** . Three setting options are available under **GMT Usage** item:
-   **By Region:** The receiver will automatically set the time according to the selected Region.
-   **Off:** The user manually sets date and time.
-   **User Define:** Indicate the Greenwich Mean Time (GMT) time zone .E.g.: Italy has a time zone of +1 hour(GMT+01:00)

During summer period, if applicable, activate manually the **Summer Time** parameter.

CAUTION
Some digital terrestrial services transmit information, which is strictly linked to the precise time setting of the receiver.

4.4 Load Factory Default

The default setting of the receiver be restored by a general reset. To do so, press MENU on the remote control, select **Tools** and then **Load Factory Default** .

CAUTION
A reset will loose all personal options and features settings saved in the receiver.
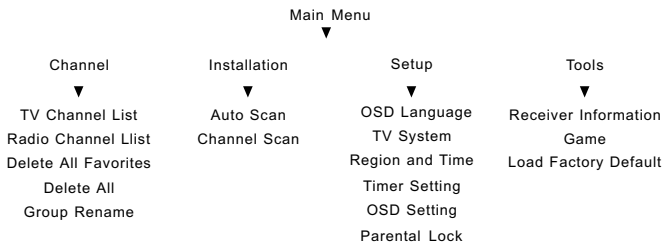
5. The Menus

The main menu has 4 sub-menus:
- **Channel:** Channel list browsing and editing . The edit options include order , change name, lock and delete TV and radio channels.
- **Installation:** Useful during installation. Functions include automatic and manual channel scans (section 4.2).
- **Setup:** The general receiver configuration. Options to personalize and modify system parameters, such as OSD language , type of TV system, country and time(section 4.3). system password (section 4.1)and to set the event timers.
- **Tools:** Practical tools like reset default settings (section 4.4)and system information viewing.

CAUTION
The menus are simple and easy to navigate. Use the arrows, ok and number buttons and always follow the instructions given in the bottom toolbar.

A flow chart of the menu:

Main Menu
▼

Channel	Installation	Setup	Tools
▼	▼	▼	▼
TV Channel List	Auto Scan	OSD Language	Receiver Information
Radio Channel Llist	Channel Scan	TV System	Game
Delete All Favorites		Region and Time	Load Factory Default
Delete All		Timer Setting	
Group Rename		OSD Setting	
		Parental Lock	

6. Trouble shooting

Symptom	Possible Cause	Remedy
LED on front panel does not light.	AC power cord disconnected	Connect power cord properly into the power socket
No picture or sound	Wrong connection of the video/audio output to TV input terminal	Connect two terminals correctly with RCA or Scart cable
	Wrong Connection of antenna cable	Connect the antenna cable correctly
	Wrong direction of antenna	Adjust the direction of antenna
	No signal or weak signal	Check the cable connections, TV and other equipment connected between the TV and the receiver or adjust the antenna
	Wrong setting of channel information in menu screen	Type the setting value correctly
Black and white screen or V-Hold	Your TV mode is different from Set Top Box broadcasting mode	Use AV mode
The remote controller is not working	Battery exhausted	Change the batteries
	Fluorescent light interfering with the remote controller	Switch off the light
	Remote controller is incorrectly aimed	Select clear flow between remote and the STB
Distorted menu screen	Too high brightness and contrast level of TV set	Adjust brightness and contrast to low level
Not working	Process Down	Unplug the power from the wall and plug back on it

7.Technical Specification

Item	Specification	
Tuner	Frequency Range	VHF:174MHz to 230MHz UHF:470MHz to 860 MHz
	Input Impedance	75 Ohms unbalanced
	Signal Input Level	-78~ -25 dbm
	Bandwidth	6/7/8 MHz
Demodulation	Demodulator	COFDM
	OFDM Modulation	2K,8K FFT,SFN and MFN
	Packet Carries	2K/8K
	Guard Interval	1/4,1/8,1/16,1/32
Connectors	RF IN	IEC 169-2 female connector
	RF LOOPTHOUGH	IEC 165-2 male connector
	Video Output	Composite Video,Compoent Video
	COAXIAL	RCA,for SPDIF digital audio output
Power	Input	230V~ 50Hz
	Consumption	5W max
Display	Decoder Module	PAL,NTSC
	Resolution	720x576(PAL);720x480(NTSC)
	Aspect Ratio	4:3(Letterbox,Pan&Scan),16:9
Decoding	Video	MPEG2 Transport MP@ML
	Audio	MPEG2 Audio Layer I&II
Other	Compliance	ETSI EN 300 744 DVB-T Compliance
	Sound Mode	Right,Left,Stereo